

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** May 06, 2004

**Inspector:** Chuck Gidman

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** Approximately 0.68" of rain fell over 5/2-3.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> <li>- Some areas along the access road have standing water and conditions are slightly muddy but not inaccessible. 5/6/04</li> <li>- If it becomes necessary, mats should be used but equipment access is not hindered at this time. 5/6/04</li> <li>- Sediment has built up slightly in the gravel tracking pad. New Canaan Avenue is still free of sediment 4/28-5/6/04</li> <li>- There continues to be slight erosion potential in a few spots along the access road's slope near the Route 7 ramp but it is not an issue. 4/16-5/6/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. Continue to monitor. 5/6/04</li> <li>- None at this time. Continue to monitor. 5/6/04</li> <li>- The area is well within the site. No actions at this time. 5/6/04</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- The underground conduits/ductbank have been completed and concrete has been poured into the excavation. 5/6/04</li> <li>- Work is ongoing on</li> </ul>	<ul style="list-style-type: none"> <li>- The area is well contained at this time. 5/6/04</li> <li>- The stockpile is contained</li> </ul>

Areas of Inspection	Observation	Recommended Action
	foundations for a small control house up near the Route 7 ramp. Additional stockpiles were created but are well controlled and within the site. 5/6/04	with silt fence and is well within the site. It is not as close to the roadway as the other piles. 5/6/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Little has changed on the site with respect to conditions and erosion control. 5/6/04	- Erosion control on site is working as expected with no additional issues. 5/6/04
	-The silt fence remains in good repair. The material in a few areas is becoming a little thin but all essential areas are fine. 4/28-5/6/04	- Continue to be proactive in silt fence repair and maintenance and inspect for problem spots on a regular basis. 5/6/04
	- Portions of the northerly portion of the stockpile have been used on site. The area was flattened for access and some soil was removed. 5/6/04	- The pile appears fairly stable but should continue to be monitored. 5/6/04
	- The concrete washout station area has been used effectively by the contractors, however it may require expansion and additional controls due to overflow. 5/6/04	- The washout remains controlled on site but the station could use some maintenance. 5/6/04
	- The temporary sediment basin has only small puddles of standing water with no flow from the outlet. 5/6/04  - Some minor erosion remained along the banks of the basin but nothing structurally degrading. 4/21-5/6/04	- The piece of filter fabric at the outlet should remain in place for future storms and be cleared of sediment when it gets too full. 5/6/04  - If erosion on the slopes of the basin worsens, it should be repaired. 5/6/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> <li>- A small pile of bluish stone gravel that had migrated to the river bank from the base of the tower during the flood remains on the river side of the silt fence. 4/28-5/6/04</li> </ul>	<ul style="list-style-type: none"> <li>- When possible, the stone should be hand shoveled back to the work side of the fence. 4/28-5/6/04</li> </ul>
	<ul style="list-style-type: none"> <li>- Some rocky scour remains below the retaining wall #5 but other areas are being placed with topsoil from the onsite pile. Preparations are being made for plantings. 5/6/04</li> <li>- Topsoil and emerging grass are doing well on the banks on the northerly portion of the bank below wall #5 5/6/04</li> </ul>	<ul style="list-style-type: none"> <li>- Discussions are ongoing for stabilization measures. The decision is leaning towards tubeling shrub planting and plantable geogrids for structure. 5/6/04</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- The silt fence is still well in place along the river. 5/6/04</li> <li>- The area below retaining wall #5 is being placed with topsoil from the stockpile on site as preparation for plantings are being discussed. 5/6/04</li> <li>-The topsoil remains and grass cover is doing well on the northern end, 5/6/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. 5/6/04</li> <li>- Additional methods for stabilization are being decided. Measures will likely involve soil holding grids with quick growing shrub tubelings planted. Arrangements may be made soon to obtain willow (<i>Salix</i>) plantings. 5/6/04</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or	<ul style="list-style-type: none"> <li>- The northern portion along wall #5 continues to vegetate and the southern portion is</li> </ul>	<ul style="list-style-type: none"> <li>- New options such as shrub or tree plantings at this location may be necessary to create an</li> </ul>

Areas of Inspection	Observation	Recommended Action
danger trees noted)	<p>being placed with topsoil. 5/6/04</p> <p>- Vegetation along the length of the riverbank is still sparse in some locations. It may be necessary to revegetate here with a conservation seed mix if cover is not sufficient. 4/2-5/6/04</p> <p>- Roots and stumps are left in place here.</p>	<p>established root system that can hold here. 5/6/04</p> <p>- Although some additional natural plant growth is occurring, we should know in a few weeks whether seeding for ground cover should be done in remaining bare areas. 4/28-5/6/04</p>
Dewatering	<p>- Dewatering activities are complete at this time. 5/6/04</p>	<p>-No actions required at this time. 5/6/04</p>
Blasting	<p>- No blasting is occurring on site at this time and it is not anticipated to be necessary.</p>	<p>- None at this time.</p>
Spills	<p>- No spills were reported this week and no sheens or drips were observed during the inspection. 5/6/04</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
	<p>- Shrubs and trees along the</p>	<p>- Continue to watch all areas</p>

Areas of Inspection	Observation	Recommended Action
Additional/Miscellaneous Observations	<p>riverbank are beginning to leaf out and a number of bird species were active in this area. Wildlife tracks are also noted along the river as well as in the mud of the sediment basin.</p> <p>- Soils being brought in from off site for backfilling and utilization on the project site, have been coming from a borrow pit in Monroe, CT for the past several weeks. More information will follow in the next inspection report. 5/6/04</p>	along the bank and provide additional enforcement if needed and investigate options for future stabilization.

**Next likely scheduled inspection:**

Friday May 14, 2004 by Diana Walden

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

*Diana Walden for Chuck Gidman*



THE SEDIMENT BASIN HAS DRIED OUT. SOME EROSION AND SEDIMENT ACCUMULATION WAS NOTED NEAR THE INLET. 5/06/04



SOME BARE, SPARSE AREAS REMAIN ALONG THE RIVERBANK ALTHOUGH SOME VEGETATION IS COMING BACK. REVEGETATION MAY BE NECESSARY. 5/06/04





VIEWS OF STOCKPILE. SOIL IS BEING REMOVED FROM THE NORTHERLY END OF THE PILE AND USED ON SITE. IT HAS BEEN PLACED IN SOME OF THE SCOURED AREAS. 5/06/04





SOME SILT HAS MIGRATED INTO THE SWALE FROM THE STOCKPILE BUT REMAINS FAIRLY FIXED IN PLACE. 5/06/04



VIEW OF CONDUIT BANKS COVERED IN CONCRETE. EXCAVATIONS WERE JUST BEGINNING AT THE LAST INSPECTION. 5/06/04





VIEW OF THE EXCAVATION FOR A SMALL CONTROL BUILDING. EXCAVATION IS CONTROLLED AND WELL DISTANCED FROM RESOURCE AREAS. 5/06/04



VIEW OF SOIL STOCKPILE FROM THE CONTROL BUILDING EXCAVATION, CONTAINED WITH SILT FENCE AND WELL WITHIN THE SITE. 5/06/04



VIEW OF CONCRETE WASHOUT AREA. ALL WASHOUTS HAVE BEEN DESIGNATED TO THIS ONE AREA AND IT IS BEING USED EFFECTIVELY, HOWEVER, THE CONTROLS REQUIRE MAINTENANCE 5/06/04